| Index of | f Claims |
|----------|----------|
|          |          |

| Application/Control No. | Applicant(s)/Patent under Reexamination |
|-------------------------|---|
| 10/798,929              | ASKREN ET AL.                           |
| Examiner                | Art Unit                                |

| 1 | Rejected | _ | (Through numeral)<br>Cancelled |
|---|----------|---|--------------------------------|
| = | Allowed  | ÷ | Restricted                     |

|   | N | Non-Elected  |
|---|---|--------------|
| I | ı | Interference |

Laura K. Roth

| A | Appeal   |
|---|----------|
| 0 | Objected |

2852

|          | ·        |  |          |  | _        | 2-4            |  |  | -  |          | 1 1 | Cle  | ina      |              |  |              | _        | ) at   | _  | _            |  |   |
|----------|----------|--|----------|--|----------|----------------|--|--|--|----------|-----|--|----------|--------------|--|--------------|----------|--|--|--------------|--|---|
| Cla      | шт       | -  |          | _  | _        | Date           | <del>=</del>                                     |  | _  |          |     | Ula  | aim      | <del> </del> |  | _            |          | Date   | <del>5</del>                                     | -            |  | Г |
| Final    | Original | 11/23/05   |          |  |          |                |  | <br>   |  |          |     | Finat  | Original |              |  |              |          |  |  |              |  |   |
|          | 1        | =  |          |  |          |                |  |  |  |          |     |  | 51       |              |  |              |          |  |  |              |  |   |
|          | 2        | =  |          |  |          |                |  |  |  |          | ]   |  | 52       |              |  |              |          |  |  |              |  |   |
|          | 3        | =  |          |  |          |                |  |  |  |          |     |  | 53       |              |  |              |          |  |  |              |  |   |
|          | 4        | =  |          |  |          |                |  |  |  |          |     |  | 54       |              |  |              |          |  |  |              |  |   |
|          | 5        | =  |          |  |          |                |  |  |  |          |     |  | 55       |              |  |              |          |  |  |              |  |   |
|          | 6        | =  |          |  |          |                |  |  |  |          |     |  | 56       |              |  |              |          |  |  |              |  | L |
|          | 7        | =  |          |  |          |                |  |  |  |          | ]   |  | 57       |              |  |              |          |  |  |              |  |   |
|          | 8        | Ξ  |          |  |          |                |  |  |  |          |     |  | 58       |              |  |              | L        |  |  |              |  | L |
|          | 9        | =  |          |  |          |                |  |  |  |          |     |  | 59       |              |  |              | _        | _  |  | _            |  | L |
|          | 10       | =  | L        | L  | L        | <u> </u>       | L  | L  | L  | L        | ]   |  | 60       |              |  |              |          |  |  | <u> </u>     | _  | L |
|          | 11       | =  |          | _  | _        | 乚              | <u></u>  |  | _  | L        | ļ   |  | 61       |              |  |              | L        | L  | _  |              | L  | L |
|          | 12       | =  |          |  |          | <u> </u>       | <u> </u>   | <u></u>  | <u> </u>   | L        |     |  | 62       |              | $\perp$  | _            | _        | 乚  | _  | _            | <u> </u>   | L |
|          | 13       | =  |          | _  |          |                |  |  | <u> </u>   | <u> </u> |     |  | 63       |              | L  |              | <u> </u> | 匚  | <u>L</u>   | L            | <u> </u>   | L |
|          | 14       | =  |          |  |          |                |  | _  |  | L        |     |  | 64       |              |  |              |          | <u> </u>   | _  | <u> </u>     |  | L |
| <u></u>  | 15       | =  |          | _  | _        | <u> </u>       |  |  | _  | _        | ŀ   |  | 65       |              |  |              | _        | L  | <u> </u>   | <u> </u>     | <u> </u>   | L |
|          | 16       | =  | _        | L  | <u>_</u> | _              | _  | _  | _  |          |     |  | 66       | <u> </u>     | _  |              | _        | <u> </u>   |  | <u> </u>     | <u> </u>   | L |
|          | 17       | V  |          |  | 乚        | _              | <u> </u>   | L  | _  | _        | 1   |  | 67       | _            | <u> </u>   |              | _        |  | _  | <u>_</u>     | <u> </u>   | L |
|          | 18       | 0  | <u> </u> |  | _        | <u> </u>       | <u> </u>   | _  | _  | _        | 1   |  | 68       | <u> </u>     | _  | _            | L        | _  | <u> </u>   |              | <u> </u>   | L |
|          | 19       | V  | <u> </u> |  | _        |                | <u> </u>   | <u> </u>   |  | <u> </u> |     |  | 69       | <u> </u>     | _  | _            | <u> </u> | <u> </u>   | <u> </u>   | <u> </u>     | ╙  | Ļ |
|          | 20       | =  | L        | <u> </u>   | L        | _              | <u> </u>   | <u> </u>   |  | _        |     |  | 70       | _            | _  | _            | _        | ╙  | <u> </u>   | _            | _  | Ļ |
|          | 21       | <u> </u>   | _        |  | _        | ╙              | _  | ╙  | _  | L        |     |  | 71       |              | _  | <u> </u>     | <u> </u> | <u> </u>   | <b> </b>   | <u> </u>     | _  | L |
| <u></u>  | 22       | <u> </u>   | <u> </u> | <u> </u>   | <u> </u> | <u> </u>       | ļ  | <u> </u>   | _  | _        |     |  | 72       | L            | <u> </u>   | <u> </u>     | ┞        | ┡  | ₩  | <u> </u>     |  | Ļ |
| <u> </u> | 23       | _  | _        |  | _        | ـــــ          | <u> </u>   | ├-   | _  | <u> </u> | Į   |  | 73       | <u> </u>     | _  | <u> </u>     | ┞        | ┡  | ├  | <u> </u>     | <u> </u>   | ╀ |
|          | 24       | ļ  | _        |  | <u> </u> | <u> </u> _     | ļ  | ┡  | _  | _        | l   |  | 74       | _            | _  | <u> </u>     | ├        | ⊢  | <u> </u>   | <u> </u>     | <del> </del>                                     | ╀ |
|          | 25       | <u> </u>   | _        |  | _        | $\vdash$       | -  | ├  | <u> </u>   |          |     |  | 75       | ├            | _  | <del> </del> | -        | ⊢  | -  | ├            | _  | ╀ |
|          | 26       | ┝  | <u> </u> | <u> </u>   |          | ├              | ├-   | ┡  | ⊢  | ⊢        | -   |  | 76<br>77 | -            | ├  | ⊢            | ├        | ╀  | ⊢  | ├-           | <u> </u>   | ╀ |
|          | 27       | ┢  | ├-       | ⊢  | -        | ┡              | ⊢  | ⊢  | ⊢  | ⊢        | 1   | -  | 78       | ├            | -  | ├-           | ├        | -  | ╁  | ├            |  | ╀ |
|          | 28       |  | ⊢        | -  | ⊢        | <del> </del> — | ⊢  | ⊢  | $\vdash$   | ⊢        | 1   |  | 79       | ⊢            | <del> </del>                                     | ├            | ├        | ├  | ┝  | ├            |  | ╀ |
|          | 29<br>30 | -  | -        |  | ⊢        | ⊢              | $\vdash$   | ⊢  | ⊢  | ⊢        | 1   |  | 80       | ┢            | ┢  | -            | -        | -  | ├  | ┼─           |  | ╁ |
|          | 31       | -  | $\vdash$ | ┢  | ┢        | ┢              | ┢  | ├  | ├  | ├        | 1   |  | 81       | ⊢            | -  | _            | -        | -  | -  | -            | $\vdash$   | ╁ |
|          | 32       | $\vdash$   | $\vdash$ | ⊢  | $\vdash$ |                | $\vdash$   | -  | ├  | ├        | 1   |  | 82       | ┢            | $\vdash$   | -            | ┢        | -  | ├─   | ├-           | ⊢  | t |
|          | 33       | -  | ⊢        | ┢  | ├        |                | ┝  | ├  | ┢╌   | ┢        | ┨   | -  | 83       | ├            | ┢  | -            | -        | ┢  | ├  | $\vdash$     | ⊢  | ╁ |
| <b></b>  | 34       | $\vdash$   | ╁╾       | ╁  | ┢        | ╁              | -  | -  | ┢  | ⊢        | ┨   |  | 84       | ╁            | ┢  | -            | -        | -  | $\vdash$   | <del> </del> | ┢  | t |
|          | 35       | $\vdash$   | $\vdash$ | <del>                                     </del> | ┢        | $\vdash$       | $\vdash$   | <del>                                     </del> | ├─   | ├-       | 1   | -  | 85       | ┢            | $\vdash$   |              | -        | $\vdash$   | $\vdash$   | ╌            | -  | t |
|          | 36       | $\vdash$   | $\vdash$ | H  | $\vdash$ | -              | <del>                                     </del> | 1-   | <del>                                     </del> | 1        | 1   | <del>                                     </del> | 86       | $\vdash$     | $\vdash$   | $\vdash$     | H        | 1  | 1  | <del> </del> | <del>                                     </del> | t |
| $\vdash$ | 37       | $t^-$  | $\vdash$ | $\vdash$   | $\vdash$ | 1              | 1  | <del>                                     </del> | $\vdash$   | $\vdash$ | 1   |  | 87       | $\vdash$     | <del>                                     </del> | $\vdash$     | Т        | 1  | <del>                                     </del> | <del> </del> | $\vdash$   | t |
|          | 38       | <del>                                     </del> | -        | $\vdash$   | $\vdash$ | $\vdash$       | $\vdash$   | $t^-$  | $\vdash$   | -        | 1   | $\vdash$   | 88       | $\vdash$     | $\vdash$   | $\vdash$     | H        | <del>                                     </del> | 1  | 1            | $\vdash$   | t |
|          | 39       | t  | T        | t  | $\vdash$ | <u> </u>       |  | 1  | <del>                                     </del> | T        | 1   | <u> </u>   | 89       | $\vdash$     |  | Т            | $\vdash$ | $\vdash$   | 1  | $\vdash$     | $I^-$  | t |
|          | 40       | $\vdash$   | $\vdash$ | t  | $\vdash$ | $\vdash$       | $t^-$  | $\vdash$   | $\vdash$   | 1        | 1   |  | 90       | $\dagger$    | Н  | ┢            | T        | T  | <del>                                     </del> | t            | T  | t |
|          | 41       | 1  | $\vdash$ | $t^-$  | Г        | $\vdash$       | Г  | $\vdash$   | <u> </u>   | 1        | 1   |  | 91       |              | T  |              | T        | <u> </u>   | 1  | $\vdash$     | $\vdash$   | T |
|          | 42       | Π  |          | T  | Г        | 忊              | 1  |  | Г  |          | 1   |  | 92       | <u> </u>     | T  | Г            | T        |  | 1  | 1            | 1  | T |
|          | 43       | 1  |          | <u> </u>   | $\vdash$ | T              | 1  | T  |  | Г        | 1   |  | 93       |              |  |              | П        |  |  | T            | П  | T |
|          | 44       |  |          | 1  | f        | Г              | 1  |  |  |          | 1   |  | 94       |              | <u> </u>   | Γ            |          | 1  | Π  | Г            | Π  | Τ |
|          | 45       |  | Т        |  | Г        | 1              |  |  | $\vdash$   |          | 1   |  | 95       |              | Г  | Г            | Π        | 1  | 1  | 1            | Г  | Τ |
|          | 46       | 1  | $\vdash$ |  | 1        |                |  |  | Г  | $\vdash$ | 1   |  | 96       | İ            |  |              | П        |  |  | Г            | Г  | Τ |
|          | 47       | 1  |          | $\vdash$   | t –      |                |  |  |  |          | 1   |  | 97       | $\vdash$     | Г  |              | Г        | Т  |  | Π            | П  | Τ |
|          | 48       | Π  | П        | 1  | Г        | Π              | Π  |  |  |          | ]   |  | 98       |              |  |              |          |  |  |              |  | Γ |
|          | 49       |  |          |  | Γ        |                |  |  |  |          | ]   |  | 99       |              |  |              | Ĺ        |  |  |              |  | Γ |
|          | 50       |  |          |  |          |                |  |  |  | Г        | ]   |  | 100      |              |  |              |          |  |  |              |  |   |
|          |          |  |          |  |          |                |  |  |  |          | - ' |  |          |              |  |              |          |  |  |              |  |   |

| Cla      | aim      | Date   |  |              |          |          |          |          |          |          |  |  |
|----------|----------|--|--|--------------|----------|----------|----------|----------|----------|----------|--|--|
|          |          |  |  |              |          |          |          |          |          |          |  |  |
| Final    | Original |  |  |              |          |          |          |          |          |          |  |  |
|          | 51       |  |  |              |          |          |          |          |          |          |  |  |
|          | 52       |  |  |              |          |          |          |          |          |          |  |  |
|          | 52<br>53 |  |  |              |          |          |          |          |          |          |  |  |
|          | 54       |  |  |              |          |          |          |          |          |          |  |  |
|          | 54<br>55 |  |  |              |          |          |          |          |          |          |  |  |
|          | 56       |  |  |              |          |          |          |          |          |          |  |  |
|          | 57       |  |  |              |          |          |          |          |          |          |  |  |
|          | 58       |  |  |              |          |          |          |          |          |          |  |  |
|          | 59       |  |  |              |          |          |          |          |          |          |  |  |
|          | 60       |  |  |              |          |          |          |          |          |          |  |  |
|          | 61       |  |  |              |          |          |          |          |          |          |  |  |
|          | 62       |  |  |              |          |          |          |          |          |          |  |  |
|          | 63       |  |  |              |          |          |          |          |          |          |  |  |
|          | 64       |  |  |              |          |          |          |          |          | _        |  |  |
|          | 65       |  |  |              |          |          |          |          |          |          |  |  |
|          | 66       |  | _  |              |          |          |          |          |          |          |  |  |
| _        | 67       |  |  |              |          |          |          |          | _        |          |  |  |
| <u> </u> | 68<br>69 | _  | _  | _            | <u> </u> |          | _        |          |          |          |  |  |
|          | 69       |  | _  | L            | L        | _        | _        | _        | _        | _        |  |  |
|          | 70       | _  | _  |              |          |          |          |          |          |          |  |  |
|          | 71<br>72 |  | _  |              | -        | _        | _        | _        | $\vdash$ | <u> </u> |  |  |
| -        | 72       | -  | <u> </u>   | H            | $\vdash$ | $\vdash$ |          | _        |          |          |  |  |
| -        | 73<br>74 | $\vdash$   | _  | ┝            |          |          |          | -        |          | -        |  |  |
| -        | 75       |  | -  | ┢            | $\vdash$ | $\vdash$ | -        |          | _        |          |  |  |
| $\vdash$ | 76       | -  | <del> </del>                                     | <del> </del> | -        | $\vdash$ |          | _        | $\vdash$ | _        |  |  |
| $\vdash$ | 76<br>77 | _  | $\vdash$   | $\vdash$     | $\vdash$ | $\vdash$ | Н        | _        |          | $\vdash$ |  |  |
| <b>—</b> | 78       |  |  |              | <u> </u> | _        |          |          |          |          |  |  |
|          | 79       | $\Box$   |  |              | Г        |          |          |          |          |          |  |  |
|          | 80       |  |  |              | Г        |          |          |          |          |          |  |  |
|          | 81       |  |  |              |          |          |          |          |          |          |  |  |
|          | 82       |  |  |              |          |          |          |          |          |          |  |  |
|          | 83       |  | L.   |              |          |          |          |          |          |          |  |  |
| <u></u>  | 84<br>85 |  | _  |              |          |          | _        |          | _        | L        |  |  |
| <u> </u> | 85       | L  | <u> </u>   |              | _        | _        |          | L        | <u> </u> | _        |  |  |
| _        | 86       | <u> </u>   | <u> </u>   | _            | _        | _        |          | _        |          | _        |  |  |
| <u> </u> | 87       | <u> </u>   | <u> </u>   |              |          | <u> </u> | _        |          | <u> </u> | <u> </u> |  |  |
|          | 88       | <u> </u>   | -  | _            | _        | H        | _        | <u> </u> | ├—       | <u> </u> |  |  |
| -        | 89       | -  | $\vdash$   | _            | <u> </u> | -        |          |          | ┝        | _        |  |  |
| -        | 90<br>91 | ┝  | -  | -            | -        |          | H        | <u> </u> | -        |          |  |  |
| -        | 92       | -  | ├─   | $\vdash$     | $\vdash$ | $\vdash$ | -        | Ι        | $\vdash$ | -        |  |  |
|          | 93       | $\vdash$   | $\vdash$   | 1            | -        |          | -        | $\vdash$ | $\vdash$ | -        |  |  |
| -        | 94       | <del>                                     </del> | <del>                                     </del> | $\vdash$     | $\vdash$ | $\vdash$ | $\vdash$ | -        | $\vdash$ | H        |  |  |
|          | 95       | <u> </u>   | 一  | Г            | Г        | $\vdash$ |          | _        | H        | $\vdash$ |  |  |
|          | 96       |  |  | $\vdash$     |          |          |          |          |          |          |  |  |
|          | 97       | Г  | Г  |              |          |          |          | Г        |          | Г        |  |  |
|          | 98       |  |  |              |          |          |          |          |          |          |  |  |
|          | 99       |  |  |              |          |          |          |          |          |          |  |  |
|          | 100      | T  | Π  | Π            |          | T        |          |          | _        | _        |  |  |

| CI       | aim               | Date     |  |  |              |          |  |          |  |           |  |
|----------|-------------------|----------|--|--|--------------|----------|--|----------|--|-----------|--|
| Ula      |                   | -        |  |  |              | Jack     |  |          |  | -         |  |
| Final    | Original          |          |  |  |              |          |  |          |  |           |  |
|          | 101               |          |  |  |              |          |  |          |  |           |  |
|          | 102               |          |  |  |              |          |  |          |  |           |  |
|          | 103               |          |  |  |              |          |  |          |  |           |  |
|          | 104               |          |  |  |              |          |  |          |  |           |  |
|          | 105               |          |  |  |              |          |  |          |  | $\Box$    |  |
|          | 106               | Щ        | _  |  |              |          |  |          |  | _         |  |
|          | 107               |          |  | _  |              |          |  |          | _  | $\dashv$  |  |
|          | 108               |          |  |  |              |          |  |          |  |           |  |
|          | 109               | <u> </u> |  |  |              |          |  | _        | _  | -         |  |
|          | 110<br>111        |          | _  | _  |              | _        |  | -        |  | -         |  |
|          | 111               | $\vdash$ | $\vdash$   |  |              |          |  |          | _  | $\dashv$  |  |
|          | 112               | $\vdash$ | H  | -  | -            | -        | Н  | H        | $\vdash$   | $\dashv$  |  |
|          | 112<br>113<br>114 | $\vdash$ |  |  | H            | $\vdash$ | -  | -        | -  |           |  |
| <u> </u> | 115               | $\vdash$ | H  | -  | -            | -        |  | -        | $\vdash$   | $\dashv$  |  |
|          | 116               |          | ┝┈   |  | -            | -        | <del>                                     </del> | $\vdash$ | $\vdash$   | $\dashv$  |  |
|          | 117               |          | $\vdash$   | Н  | Н            | $\vdash$ | $\vdash$   |          | -  |           |  |
|          | 118               |          | m  |  |              | ┢┈       |  |          | Т  |           |  |
|          | 119               | $\vdash$ | _  |  | _            |          |  |          |  |           |  |
|          | 120               | Г        |  |  |              | Г        |  |          |  |           |  |
|          | 121<br>122        |          |  |  |              |          |  |          |  |           |  |
|          | 122               |          |  |  |              |          |  |          |  |           |  |
|          | 123               |          |  |  |              |          |  |          |  |           |  |
|          | 123<br>124        |          |  |  |              |          |  |          |  |           |  |
|          | 125               |          |  |  |              |          |  |          |  |           |  |
|          | 126               |          |  |  |              | <u> </u> |  | _        |  |           |  |
|          | 126<br>127<br>128 | _        | _  |  | _            | <u> </u> |  |          | L.   | Ш         |  |
|          | 128               | _        | <u> </u>   |  | <u> </u>     | _        | _  | _        | _  | Ш         |  |
|          | 129<br>130        | <u> </u> | <u> </u>   | <u> </u>   |              |          | _  |          | -  | Ш         |  |
|          | 130               | <u> </u> | <u> </u>   | <u> </u>   | <u> </u>     | _        | <u> </u>   | _        |  | Н         |  |
|          | 131               | ├        | -  | <del> </del>                                     | -            | -        | <del> </del>                                     | $\vdash$ | $\vdash$   | Н         |  |
|          | 132<br>133        |          | <del> </del>                                     | <del> </del>                                     |              | -        | -  | $\vdash$ | $\vdash$   | Н         |  |
|          | 133               |          | ├  | ├  | -            |          | -  | $\vdash$ | $\vdash$   | Н         |  |
|          | 135               | $\vdash$ | $\vdash$   | ╁  | -            |          | $\vdash$   | ┢        | $\vdash$   | H         |  |
|          | 136               | $\vdash$ | ┢  | <del>                                     </del> | $\vdash$     | $\vdash$ | $\vdash$   | ├─       | ┝  | Н         |  |
|          | 137               | -        | $\vdash$   | $\vdash$   | $\vdash$     | $\vdash$ | -  | $\vdash$ | -  | $\vdash$  |  |
|          | 137<br>138        |          | $\vdash$   | i  | <del> </del> | $\vdash$ | _  | $\vdash$ | $\vdash$   |           |  |
|          | 139               |          | T  |  | $\vdash$     | Г        | Г  |          | <del>                                     </del> | М         |  |
|          | 140               | Г        | <del>                                     </del> | $\vdash$   |              | $\vdash$ | $\overline{}$                                    | Г        | $\vdash$   | П         |  |
|          | 141               | Π        |  |  |              |          |  |          |  |           |  |
|          | 142               |          |  |  |              |          |  |          |  |           |  |
|          | 143               |          |  |  |              |          |  |          |  |           |  |
|          | 144               |          |  |  |              |          |  |          |  |           |  |
|          | 145               | $\Box$   |  |  | L            |          |  |          |  |           |  |
|          | 146               | L        | _  |  | _            | Ц_       |  | <u> </u> |  | Ш         |  |
|          | 147               | L_       | <u> </u>   | <u>_</u>   | L_           | <u> </u> | _  | <u> </u> | <u> </u>   | Ш         |  |
|          | 148               | _        | <u> </u>   | <u> </u>   | <u> </u>     | <u> </u> | <u> </u>   | <u> </u> | <u> </u>   | $\square$ |  |
|          | 149               | <u> </u> | ⊢  | <u> </u>   | $\vdash$     | ⊢        | <u> </u>   | <b> </b> | <u> </u>   | $\sqcup$  |  |
| L        | 150               | Ц_       | Ļ  | <u> </u>   | L            | <u> </u> |  | L_       |  | Ш         |  |